

ED Entered STN: 20021227
 Last Updated on STN: 20030708
 Entered Medline: 20030707

L4 ANSWER 3 OF 5 MEDLINE on STN
 AN 90214226 MEDLINE
 DN PubMed ID: 2323221
 TI Histological changes in the vas deferens of rats after injection of a new male antifertility agent "SMA" and its reversibility.
 AU Sethi N; Srivastava R K; Singh R K
 CS Division of Toxicology, Central Drug Research Institute, Lucknow, India.
 SO Contraception, (1990 Mar) 41 (3) 333-9.
 Journal code: 0234361. ISSN: 0010-7824.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199005
 ED Entered STN: 19900622
 Last Updated on STN: 19900622
 Entered Medline: 19900517

L4 ANSWER 4 OF 5 MEDLINE on STN
 AN 89209877 MEDLINE
 DN PubMed ID: 2706990
 TI Safety evaluation of a male injectable antifertility agent, **styrene maleic anhydride**, in rats.
 AU Sethi N; Srivastava R K; Singh R K
 CS Division of Toxicology, Central Drug Research Institute, Lucknow, India.
 SO Contraception, (1989 Feb) 39 (2) 217-26.
 Journal code: 0234361. ISSN: 0010-7824.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198906
 ED Entered STN: 19900306
 Last Updated on STN: 19900306
 Entered Medline: 19890605

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:666577 CAPLUS
 DN 133:242671
 TI An improved reversible **contraceptive** for male and female
 IN Guha, Sujoy Kumar
 PA India
 SO PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000054746	A1	20000921	WO 2000-IN23	20000316
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	EP 1162948	A1	20011219	EP 2000-911240
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		20000316
PRAI IN 1999-DE415	A	19990317		
WO 2000-IN23	W	20000316		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:56:34 ON 09 AUG 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 10:56:46 ON 09 AUG 2004

L1 63858 S CONTRACEPTIVE
L2 99802 S CONTRACEP?
L3 5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE MALEIC ACID)
L4 5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE-MALEIC ACID)

=> s l2 and iron and copper

L5 206 L2 AND IRON AND COPPER

=> s l2 (p) iron (p) copper

L6 133 L2 (P) IRON (P) COPPER

=> s l6 (p) ?polymer

L7 1 L6 (P) ?POLYMER

=> d

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:666577 CAPLUS

DN 133:242671

TI An improved reversible contraceptive for male and female

IN Guha, Sujoy Kumar

PA India

SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000054746	A1	20000921	WO 2000-IN23	20000316
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1162948	A1	20011219	EP 2000-911240	20000316
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRAI IN 1999-DE415

A 19990317

WO 2000-IN23

W 20000316

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l6 and (male or men or man)

L8 8 L6 AND (MALE OR MEN OR MAN)

=> d 1-8

L8 ANSWER 1 OF 8 MEDLINE on STN

AN 2002574938 MEDLINE

DN PubMed ID: 12266720

TI Patients with hematologic disorders need careful birth control counseling.

AU Neinstein Ls Katz B

SO Contraceptive technology update, (1985 Mar) 6 (3) 43-6.

Journal code: 8214749. ISSN: 0274-726X.

Report No.: PIP-029241; POP-00141876.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Population

EM 198508
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19850807

L8 ANSWER 2 OF 8 MEDLINE on STN
AN 96276558 MEDLINE
DN PubMed ID: 8706441
TI Zinc acetate and lyophilized aloe barbadensis as vaginal contraceptive.
AU Fahim M S; Wang M
CS Center of Reproductive Science and Technology, School of Medicine,
University of Missouri, Columbia 65212, USA.
SO Contraception, (1996 Apr) 53 (4) 231-6.
Journal code: 0234361. ISSN: 0010-7824.
Report No.: PIP-112897; POP-00251962.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Population
EM 199609
ED Entered STN: 19960919
Last Updated on STN: 20021101
Entered Medline: 19960912

L8 ANSWER 3 OF 8 MEDLINE on STN
AN 79221848 MEDLINE
DN PubMed ID: 111126
TI [Effect of the trace element supply on element dependent enzymes in
man].
Einfluss der Spurenelementversorgung auf elementabhängige Enzyme beim
Menschen.
AU Engst R; Erhardt V; Kujawa M; Macholz R M; Pfaff K; Woggon H
SO Die Nahrung, (1979) 23 (3) 303-17.
Journal code: 0142530. ISSN: 0027-769X.
CY GERMANY, EAST: German Democratic Republic
DT Journal; Article; (JOURNAL ARTICLE)
LA German
FS Priority Journals
EM 197909
ED Entered STN: 19900315
Last Updated on STN: 19990129
Entered Medline: 19790925

L8 ANSWER 4 OF 8 MEDLINE on STN
AN 78208239 MEDLINE
DN PubMed ID: 665569
TI Hair analysis of trace minerals in human subjects as influenced by age,
sex, and contraceptive drugs.
AU Deeming S B; Weber C W
SO American journal of clinical nutrition, (1978 Jul) 31 (7) 1175-80.
Journal code: 0376027. ISSN: 0002-9165.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 197808
ED Entered STN: 19900314
Last Updated on STN: 19970203
Entered Medline: 19780828

L8 ANSWER 5 OF 8 MEDLINE on STN
AN 75074778 MEDLINE
DN PubMed ID: 4613535
TI Physiological aspects of vaginal contraception.
AU Bernstein G S
SO Contraception, (1974 Apr) 9 (4) 333-45. Ref: 58
Journal code: 0234361. ISSN: 0010-7824.
Report No.: PIP-740617; POP-00007538.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)

LA General Review; (REVIEW)
FS English
EM Population; Reproduction
197503
ED Entered STN: 19900310
Last Updated on STN: 20021101
Entered Medline: 19750326

L8 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:666577 CAPLUS
DN 133:242671
TI An improved reversible contraceptive for male and female
IN Guha, Sujoy Kumar
PA India
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000054746	A1	20000921	WO 2000-IN23	20000316
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1162948	A1	20011219	EP 2000-911240	20000316
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRAI IN 1999-DE415 A 19990317
WO 2000-IN23 W 20000316

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2000:524181 BIOSIS
DN PREV200000524181
TI Trace element reference values in serum determined by inductively coupled plasma atomic emission spectrometry.
AU Rahil-Khazen, Reem; Bolann, Bjorn J.; Ulvik, Rune J. [Reprint author]
CS Haukeland University Hospital, Institute of Clinical Biochemistry, N-5021, Bergen, Norway
SO Clinical Chemistry and Laboratory Medicine, (August, 2000) Vol. 38, No. 8, pp. 765-772. print.
ISSN: 1434-6621.
DT Article
LA English
ED Entered STN: 6 Dec 2000
Last Updated on STN: 11 Jan 2002

L8 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1980:232777 BIOSIS
DN PREV198070025273; BA70:25273
TI THE INFLUENCE OF THE TRACE ELEMENT SUPPLY ON ELEMENT DEPENDENT ENZYMES IN MAN.
AU RNGST R [Reprint author]; ERHARDT V; KUJAWA M; MACHOLZ R M; PFAFF K;
WOGGON H
CS ZENTRALINST ERANEHR, ARTHUR-SCHEUNERT-ALLEE 114-116, DDR-115 BERGHOLZ-REHBRUECKE, E GER
SO Nahrung, (1979) Vol. 23, No. 3, pp. 303-318.
CODEN: NAHRAR. ISSN: 0027-769X.
DT Article
FS BA
LA GERMAN

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=> log h

=> d his

(FILE 'HOME' ENTERED AT 10:56:34 ON 09 AUG 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 10:56:46 ON 09 AUG 2004
L1    63858 S CONTRACEPTIVE
L2    99802 S CONTRACEP?
L3      5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE MALEIC ACID)
L4      5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE-MALEIC ACID)
L5      206 S L2 AND IRON AND COPPER
L6      133 S L2 (P) IRON (P) COPPER
L7      1 S L6 (P) ?POLYMER
L8      8 S L6 AND (MALE OR MEN OR MAN)

=> s antifertil? (p) iron (p) copper
L9          1 ANTIFERTIL? (P) IRON (P) COPPER

=> d

L9  ANSWER 1 OF 1      MEDLINE on STN
AN  75074778      MEDLINE
DN  PubMed ID: 4613535
TI  Physiological aspects of vaginal contraception.
AU  Bernstein G S
SO  Contraception, (1974 Apr) 9 (4) 333-45. Ref: 58
Journal code: 0234361. ISSN: 0010-7824.
Report No.: PIP-740617; POP-00007538.
CY  United States
DT  Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA  English
FS  Population; Reproduction
EM  197503
ED  Entered STN: 19900310
Last Updated on STN: 20021101
Entered Medline: 19750326

=> 16 not 18
L6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s 16 not 18
L10      125 L6 NOT L8

=> dup rem l10
PROCESSING COMPLETED FOR L10
L11      93 DUP REM L10 (32 DUPLICATES REMOVED)

=> s 111 and py<2000
L12      87 L11 AND PY<2000

=> d 1-5

L12  ANSWER 1 OF 87      MEDLINE on STN
AN  2002600435      MEDLINE
DN  PubMed ID: 12287838
TI  The levonorgestrel-releasing intrauterine device.
AU  Toivonen J
SO  Advances in contraceptive delivery systems : CDS, (1994) 10
(3-4) 191-8.
Journal code: 8602181. ISSN: 1012-8689.
Report No.: PIP-097864; POP-00232003.
CY  United States
DT  Journal; Article; (JOURNAL ARTICLE)
```

LA English
FS Population
EM 199412
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19941201

L12 ANSWER 2 OF 87 MEDLINE on STN
AN 2002579458 MEDLINE
DN PubMed ID: 12290877
TI Menstrual blood loss in IUD users: comparative study of eleven different IUDs in Mexican women.
AU Pedron N
SO Advances in contraceptive delivery systems : CDS, (1995) 11 (3-4) 245-53.
Journal code: 8602181. ISSN: 1012-8689.
Report No.: PIP-109840; POP-00251491.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Population
EM 199606
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19960613

L12 ANSWER 3 OF 87 MEDLINE on STN
AN 2002575182 MEDLINE
DN PubMed ID: 12280211
TI [Disease and contraception. Recent aspects].
Pathologie et contraception. Quelques aspects recents.
AU Rozenbaum H
SO Contraception, fertilité, sexualité, (1985 Jan) 13 (1 Suppl) 431-6.
Journal code: 0411244. ISSN: 0301-861X.
Report No.: PIP-031207; POP-00150945.

CY France
DT Journal; Article; (JOURNAL ARTICLE)
LA French
FS Population
EM 198512
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19851210

L12 ANSWER 4 OF 87 MEDLINE on STN
AN 2002574022 MEDLINE
DN PubMed ID: 12338634
TI Serum ferritin levels in pill and IUD users.
AU Heikkinen J E; Saure A; Ylostalo P
SO Contraceptive delivery systems, (1983 Apr) 4 (2) 137-41.
Journal code: 8102096. ISSN: 0143-6112.
Report No.: PIP-015318; POP-00119650.

CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Population
EM 198309
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19830907

L12 ANSWER 5 OF 87 MEDLINE on STN
AN 2002570217 MEDLINE
DN PubMed ID: 12307729
TI The effects of an oral **contraceptive**, ascorbic acid and **iron** on glucose and **copper** metabolism in the rat.
AU Keith M O; Pelletier O
SO Nutrition reports international, (1976 March) 13 (3) 273-80.
Journal code: 0233332. ISSN: 0029-6635.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Population
EM 198001
ED Entered STN: 20021101
Last Updated on STN: 20021101
Entered Medline: 19800103

=> d his

(FILE 'HOME' ENTERED AT 10:56:34 ON 09 AUG 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 10:56:46 ON 09 AUG 2004
L1 63858 S CONTRACEPTIVE
L2 99802 S CONTRACEP?
L3 5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE MALEIC ACID)
L4 5 S L2 AND (STYRENE-MALEIC ANHYDRIDE) AND (STYRENE-MALEIC ACID)
L5 206 S L2 AND IRON AND COPPER
L6 133 S L2 (P) IRON (P) COPPER
L7 1 S L6 (P) ?POLYMER
L8 8 S L6 AND (MALE OR MEN OR MAN)
L9 1 S ANTIFERTIL? (P) IRON (P) COPPER
L10 125 S L6 NOT L8
L11 93 DUP REM L10 (32 DUPLICATES REMOVED)
L12 87 S L11 AND PY<2000

=> s 112 and inject?

L13 1 L12 AND INJECT?

=> d

L13 ANSWER 1 OF 1 MEDLINE on STN
AN 81012705 MEDLINE
DN PubMed ID: 6997784
TI Anemia and menstrual blood loss.
AU Cohen B J; Gibor Y
SO Obstetrical & gynecological survey, (1980 Oct) 35 (10) 597-618.
Ref: 160
Journal code: 0401007. ISSN: 0029-7828.
Report No.: PIP-007963; POP-00108417.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals; Population
EM 198011
ED Entered STN: 19900316
Last Updated on STN: 20021101
Entered Medline: 19801125

=> log h

FILE 'HOME' ENTERED AT 13:24:48 ON 09 AUG 2004

=> fil medline capplus biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 13:24:56 ON 09 AUG 2004

FILE 'CAPLUS' ENTERED AT 13:24:56 ON 09 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'BIOSIS' ENTERED AT 13:24:56 ON 09 AUG 2004

COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

=> s andrologia/so and 1982/py

L1 175 ANDROLOGIA/SO AND 1982/PY

=> s l1 and copper

L2 3 L1 AND COPPER

=> s l2 and contraceptive

L3 3 L2 AND CONTRACEPTIVE

=> d 1-3

L3 ANSWER 1 OF 3 MEDLINE on STN

AN 83150573 MEDLINE

DN PubMed ID: 7165121

TI Copper iontophoresis in male contraception.

AU Riar S S; Sawhney R C; Bardhan J; Thomas P; Jain R K; Kain A K

SO Andrologia, (1982 Nov-Dec) 14 (6) 481-91.

Journal code: 0423506. ISSN: 0303-4569.

Report No.: PIP-013700; POP-00118135.

CY GERMANY, WEST: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals; Population

EM 198304

ED Entered STN: 19900318

Last Updated on STN: 20021101

Entered Medline: 19830407

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1983:65679 CAPLUS

DN 98:65679

TI Copper iontophoresis in male contraception

AU Riar, S. S.; Sawhney, R. C.; Bardhan, J.; Thomas, P.; Jain, R. K.; Kain, A. K.

CS Def. Inst. Physiol. Allied Sci., Delhi Cantt, India

SO Andrologia (1982), 14(6), 481-2, 487-91

CODEN: ANDRDQ; ISSN: 0303-4569

DT Journal

LA English

L3 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1983:257033 BIOSIS

DN PREV198376014525; BA76:14525

TI COPPER IONTOPHORESIS IN MALE CONTRACEPTION.

AU RIAR S S [Reprint author]; SAWHNEY R C; BARDHAN J; THOMAS P; JAIN R K; KAIN A K

CS DEFENCE INSTITUTE OF PHYSIOLOGY AND ALLIED SCIENCES, DELHI CANTT/ INDIA

SO Andrologia, (1982) Vol. 14, No. 6, pp. 481-491.

CODEN: ANDRDQ. ISSN: 0303-4569.

DT Article

FS BA

LA ENGLISH

=> dup rem

ENTER L# LIST OR (END):end

=> d his

(FILE 'HOME' ENTERED AT 13:24:48 ON 09 AUG 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 13:24:56 ON 09 AUG 2004

L1 175 S ANDROLOGIA/SO AND 1982/PY

L2 3 S L1 AND COPPER

L3 3 S L2 AND CONTRACEPTIVE

=> dup rem 13

PROCESSING COMPLETED FOR L3

L4 1 DUP REM L3 (2 DUPLICATES REMOVED)

=> d abs kwic ibib

L4 ANSWER 1 OF 1 MEDLINE on STN

DUPLICATE 1

AB **Copper** was deposited by iontophoresis into vasa deferentia of animals, using 1 m. amp. current for 30-90 sec. in rat and 3 m. amp. current for 60 sec. in rabbits. The method was effective for a period of 9 months as a **contraceptive**. The effect of the metal was localised at the site of deposition and there was no effect on other reproductive organs. The mating behaviour and testosterone levels did not change. The utility of the technique in male contraception is discussed. Results are presented of a study in which **copper** was deposited by iontophoresis into the vasa deferentia of 28 adult albino rats weighing over 300 gms and 14 rabbits weighing over 1.8 kg, to test the **contraceptive** effect. 7 rats were used as control, and 7 each were subjected to **copper** ionized for 30, 60, and 90 sec with a current of 1 m amp. 7 rabbits were controls and 7 were subjected to **copper** ionized for 60 sec with a current of 3 m amp. The animals were mated with fertile females between 20-30 days, 55-60 days, and 85-90 days after ionization. Rats were electro-ejaculated between 145-150 days after ionization and their spermatozoa tested for percent of live and dead counts. Further tests were done on termination of the study after 9 months. After ionization, there was no significant change in mean weight of the testicles, epididymis, or seminal vesicles in rabbits or rats but there was a significant reduction in vasal weight in rats. Spermatozoa sampled from the distal end of the vas deferens had a motility of 14% in the 30 sec group of rats, 9% in the 60 sec group, and 4% in the 90 sec group. 45% of spermatozoa beyond the ionization site were alive in the 30 sec group, 9% in the 60 sec group, and 7% in the 90 sec group. Spermatozoa from the same site survived for 10 minutes at 37 degrees Celsius in the 30 sec and 3 minutes in the 60 and 90 sec groups, compared to nearly 30 minutes for samples from the proximal end. In the rabbits, sperm motility was reduced to 8% below the point of ionization, only 8% of spermatozoa were alive, and at 37 degrees Celsius they survived for an average of 7 minutes. Mating experiments in ionized rats showed dead decapitated spermatozoa during successive matings up to 3 months and only a few living sperm in the semen after 5 months. Mating behavior was not affected. The effect of the **copper** was localized at the site of deposition. **Copper** iontophoresis appears to be a promising method for male contraception.

TI **Copper** iontophoresis in male contraception.

SO **Andrologia**, (1982 Nov-Dec) 14 (6) 481-91.

Journal code: 0423506. ISSN: 0303-4569.

Report No.: PIP-013700; POP-00118135.

AB **Copper** was deposited by iontophoresis into vasa deferentia of animals, using 1 m. amp. current for 30-90 sec. in rat and . . . m. amp. current for 60 sec. in rabbits. The method was effective for a period of 9 months as a **contraceptive**. The effect of the metal was localised at the site of deposition and there was no effect on other reproductive. . . not change. The utility of the technique in male contraception is discussed. Results are presented of a study in which **copper** was deposited by iontophoresis into the vasa deferentia of 28 adult albino rats weighing over 300 gms and 14 rabbits weighing over 1.8 kg, to test the **contraceptive** effect. 7 rats were used as control, and 7 each were subjected to **copper** ionized for 30, 60, and 90 sec with a current of 1 m amp. 7 rabbits were controls and 7 were subjected to **copper** ionized for 60 sec with a current of 3 m amp. The animals were mated with fertile females between 20-30. . . only a few living sperm in the semen after 5 months. Mating behavior was not affected. The effect of the **copper** was localized at the site of deposition. **Copper** iontophoresis appears to be a promising method for male contraception.

ST Animals, Laboratory; Biology; Clinical Research; Contraception; Contraception Research; **Copper**; Family Planning; Genitalia; Germ Cells; Ingredients And Chemicals; Inorganic Chemicals; Male Contraception; Metals; Physiology; Research Methodology; Spermatozoa; Urogenital System

CT Check Tags: Male
Animals
*Contraceptive Agents, Male: AD, administration & dosage
*Copper: AD, administration & dosage
*Iontophoresis
Organ Weight
Rabbits
Rats
Spermatozoa: DE, drug effects
RN 7440-50-8 (Copper)
CN 0 (Contraceptive Agents, Male)
ACCESSION NUMBER: 83150573 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7165121
TITLE: Copper iontophoresis in male contraception.
AUTHOR: Riar S S; Sawhney R C; Bardhan J; Thomas P; Jain R K; Kain A K
SOURCE: Andrologia, (1982 Nov-Dec) 14 (6)
481-91.
Journal code: 0423506. ISSN: 0303-4569.
Report No.: PIP-013700; POP-00118135.
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; Population
ENTRY MONTH: 198304
ENTRY DATE: Entered STN: 19900318
Last Updated on STN: 20021101
Entered Medline: 19830407

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FILE 'HOME' ENTERED AT 15:48:46 ON 09 AUG 2004

=> fil caplus medline biosis

**THE CAPTAIN MEETING
COST IN U.S. DOLLARS**

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:48:55 ON 09 AUG 2004

FILE NUMBER ENTERED AT 15:48:35 ON 09 AUG 2004
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FILE 'MEDLINE' ENTERED AT 15:48:55 ON 09 AUG 2004

FILE 'BIOSIS' ENTERED AT 15:48:55 ON 09 AUG 2004

FILE : BIOSIS ENTERED AT 13:48:53 ON 09 AUG 2006
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-> s.indian med j/sa and 1964/pv

1-1 109 INDIAN MED J/SO AND 1964/PY

\Rightarrow silver and copper

T-2 3.1.1 AND COPPER

=> d 1-2

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

ANSWER 1 OF 2 CAP
AN 1965:93316 CAPLUS

DN 62:93316

REF 62:55513
OREF 62:16744g-h

Role of copper and cobalt in iron-deficiency anemia

AU Kasad, H. R.; Joglekar, G. V.; Balwani, J. H.; Mutalik, G. S.

AS Rasaú, H. R., Sogtakar,
CS B. J. Med. Coll., Poona

CS B. J. Med. Coll., Poona
SO Indian Medical Journal

58 (11). 228-30

58(11), 228-30
CODEN: TMJUA7:

FILE 'CAPLUS' ENTERED AT 11:02:07 ON 13 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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=> s (styrene-maleic-anhydride) (p) (styrene-maleic-acid)
L1 41 (STYRENE-MALEIC-ANHYDRIDE) (P) (STYRENE-MALEIC-ACID)

=> s l1 and py<2000
2 FILES SEARCHED...
L2 32 L1 AND PY<2000

=> d 1-32

L2 ANSWER 1 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:580378 CAPLUS
DN 132:194898
TI Additional separation mechanisms in high performance size-exclusion chromatography
AU Segudovic, Nikola
CS Strategic Development Res. Div., Zagreb, Croatia
SO Polimeri (Zagreb) (1999), 20(1-2), 19-28
CODEN: PLMRDI; ISSN: 0351-1871
PB Drustvo za Plastiku i Gumu
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:538587 CAPLUS
DN 127:162197
TI Polymerization of copolymer P-1
AU Wei, Hongwu
CS Fuda Photosensitive Mat. Co. Ltd., Xiamen, 361012, Peop. Rep. China
SO Ganguang Cailiao (1997), (4), 34-35
CODEN: GACAFF; ISSN: 1003-3874
PB Huagongbu Ganguang Cailiao Xinxizhang
DT Journal
LA Chinese

L2 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:589775 CAPLUS
DN 125:234593
TI Liquid crystal display device and its orientation film formation
IN Takayanagi, Takashi; Iwasaki, Masayuki
PA Fuji Photo Film Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 08194227	A2	19960730	JP 1995-7342	19950120 <--
PRAI JP 1995-7342		19950120		

L2 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:203638 CAPLUS
DN 116:203638
TI Energy transfer from copolymers of styrene-maleic acid to europium(III) ions in tetrahydrofuran
AU Yoo, Jae Ryun; Kim, Kang Jin
CS Dep. Chem., Korea Univ., Seoul, 136-701, S. Korea
SO Analytical Sciences (1991), 7(Suppl., Proc. Int. Congr. Anal. Sci., 1991, Pt. 2), 1327-30
CODEN: ANSCEN; ISSN: 0910-6340
DT Journal
LA English

L2 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:523895 CAPLUS
 DN 113:123895
 TI Photoresist composition with proper alkali solubility
 IN Kosho, Masaaki; Yamamoto, Takashi; Nagaoka, Tsuneko; Kyota, Toru
 PA Tosoh Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02103049	A2	19900416	JP 1988-254856	19881012 <--
PRAI JP 1988-254856		19881012		

L2 ANSWER 6 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:100624 CAPLUS
 DN 112:100624
 TI Stain-resistant agents for textiles
 IN Fitzgerald, Patrick Henry; Rao, Nandakumar Seshagiri; Vinod, Yashavant
 Vinayak; Allender, Jeffrey Randolph
 PA du Pont de Nemours, E. I., and Co., USA
 SO Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 328822	A2	19890823	EP 1988-311826	19881214 <--
EP 328822	A3	19891018		
EP 328822	B1	19930421		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4883839	A	19891128	US 1988-280406	19881206 <--
AT 88515	E	19930515	AT 1988-311826	19881214 <--
CA 1340028	A1	19980908	CA 1988-586055	19881215 <--
DK 8807099	A	19890622	DK 1988-7099	19881220 <--
AU 8827088	A1	19890622	AU 1988-27088	19881220 <--
AU 615242	B2	19910926		
FI 8805888	A	19890622	FI 1988-5888	19881220 <--
NO 8805656	A	19890622	NO 1988-5656	19881220 <--
JP 02084570	A2	19900326	JP 1988-323213	19881221 <--
JP 05029703	B4	19930506		
ZA 8809533	A	19900829	ZA 1988-9533	19881221 <--
US 5032136	A	19910716	US 1990-465405	19900116 <--
PRAI US 1987-136033		19871221		
US 1988-280404		19881206		
US 1988-280405		19881206		
US 1988-280406		19881206		
EP 1988-311826		19881214		

L2 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:79384 CAPLUS
 DN 112:79384
 TI Stain-resistant aromatic/maleic anhydride polymers
 IN Fitzgerald, Patrick Henry; Rao, Nandakumar Seshagiri; Vinod, Yashavant
 Vinayak; Henry, George Keith; Prowse, Kenneth Spencer
 PA du Pont de Nemours, E. I., and Co., USA
 SO Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 329899	A2	19890830	EP 1988-311835	19881214 <--
EP 329899	A3	19891018		
EP 329899	B1	19941228		

R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 1332684	A1	19941025	CA 1988-586056	19881215 <--
AU 8827089	A1	19890615	AU 1988-27089	19881220 <--
AU 617731	B2	19911205		
DK 8807098	A	19890622	DK 1988-7098	19881220 <--
FI 8805889	A	19890622	FI 1988-5889	19881220 <--
NO 8805657	A	19890622	NO 1988-5657	19881220 <--
JP 02138365	A2	19900528	JP 1988-323212	19881221 <--
JP 2632990	B2	19970723		
ZA 8809534	A	19900829	ZA 1988-9534	19881221 <--
US 5001004	A	19910319	US 1990-502819	19900402 <--
PRAI US 1987-136038		19871221		
US 1988-280407		19881206		

L2 ANSWER 8 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1989:498757 CAPLUS

DN 111:98757

TI Structure and properties of diphilic thermoplastic butadiene-styrene block rubber

AU Kutyannina, L. G.; Fedenyuk, P. V.; Baramboim, N. K.

CS Mosk. Tekhnol. Inst. Legkoi Prom., Moscow, USSR

SO Vysokomolekulyarnye Soedineniya, Seriya B: Kratkie Soobshcheniya (1989), 31(3), 192-6

CODEN: VYSBAI; ISSN: 0507-5483

DT Journal

LA Russian

L2 ANSWER 9 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1989:66994 CAPLUS

DN 110:66994

TI Thermal recording materials having a heat-sensitive layer containing styrene-maleic anhydride copolymer and/or its derivatives and a protective layer

IN Usami, Tomomasa; Hatayama, Seiji; Hayashi, Takayuki

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 63139782	A2	19880611	JP 1986-286423	19861201 <--
PRAI JP 1986-286423		19861201		

L2 ANSWER 10 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1988:604915 CAPLUS

DN 109:204915

TI Neocarzinostatin complexes, a method for their preparation and use as antitumor agents

IN Maeda, Hiroshi; Kanamaru, Ryunosuke; Ishida, Nakao; Yoshitake, Toshihiko; Ueda, Minoru

PA Kayaku Antibiotics Research Co., Ltd., Japan; Kuraray Co., Ltd.; Yamanouchi Pharmaceutical Co., Ltd.

SO U.S., 15 pp. Cont. of U.S. Ser. No. 469,235, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
PI US 4732933	A	19880322	US 1985-730823	19850506 <--
JP 58149903	A2	19830906	JP 1982-31555	19820227 <--
JP 02044319	B4	19901003		
JP 59139396	A2	19840810	JP 1983-15075	19830131 <--
JP 01023480	B4	19890502		
PRAI JP 1982-31555		19820227		
JP 1983-15075		19830131		
US 1983-469235		19830224		

L2 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:77367 CAPLUS
 DN 108:77367
 TI Maleate copolymer salt dispersants for ink formulations
 IN Shimada, Hidetoshi
 PA Idemitsu Petrochemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 62236875	A2	19871016	JP 1986-81698	19860408 <--
PRAI JP 1986-81698		19860408		

L2 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:161686 CAPLUS
 DN 106:161686
 TI Cement additive for improving fluidity and workability
 IN Koga, Taiji; Yamamoto, Toyoji; Nagano, Mitsuo
 PA Idemitsu Petrochemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 62003060	A2	19870109	JP 1985-138970	19850627 <--
JP 06041385	B4	19940601		
PRAI JP 1985-138970		19850627		

L2 ANSWER 13 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1986:524336 CAPLUS
 DN 105:124336
 TI Heat-sensitive recording paper
 IN Ikeda, Kenji; Hayashi, Takayuki; Ikeda, Kensuke; Matsukawa, Hiroharu
 PA Fuji Photo Film Co., Ltd., Japan
 SO Brit. UK Pat. Appl., 9 pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 2166558	A1	19860508	GB 1985-21321	19850827 <--
GB 2166558	B2	19880921		
JP 61057386	A2	19860324	JP 1984-180916	19840830 <--
JP 04007718	B4	19920212		
JP 61139482	A2	19860626	JP 1984-261405	19841211 <--
PRAI JP 1984-180916		19840830		
JP 1984-261405		19841211		

L2 ANSWER 14 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:428329 CAPLUS
 DN 101:28329
 TI Adhesive dental coating material
 IN Kusumoto, Koshi; Ogata, Takayuki; Kawaguchi, Toshio; Nakahara, Takeshi;
 Kunimoto, Shinichiro
 PA Tokuyama Soda Co., Ltd., Japan
 SO Eur. Pat. Appl., 75 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 103420	A2	19840321	EP 1983-304729	19830815 <--
EP 103420	A3	19850508		

EP 103420	B1	19890719		
R: DE, FR, GB, NL, SE				
JP 59030877	A2	19840218	JP 1982-141010	19820816 <--
JP 63048915	B4	19881003		
JP 59096180	A2	19840602	JP 1982-204683	19821124 <--
JP 63040406	B4	19880811		
EP 206362	A1	19861230	EP 1986-200332	19830815 <--
EP 206362	B1	19901017		
R: DE, FR, GB, NL, SE				
US 4535102	A	19850813	US 1983-539417	19831006 <--
CA 1211246	A1	19860909	CA 1983-439199	19831018 <--
PRAI JP 1982-141010		19820816		
JP 1982-204683		19821124		
EP 1983-304729		19830815		

L2 ANSWER 15 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1983:564041 CAPLUS

DN 99:164041

TI Neocarzinostatin complexes with styrene-maleic acid copolymer half esters as antitumor agents

IN Maeda, Hiroshi; Kanamaru, Ryunosuke; Ishida, Nakao; Yoshitake, Toshihiko; Ueda, Minoru

PA Kuraray Co., Ltd. , Japan; Yamanouchi Pharmaceutical Co., Ltd. ; Kayaku Antibiotics Research Co., Ltd.

SO Eur. Pat. Appl., 41 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	-----	-----	-----	-----	-----
PI	EP 87957	A1	19830907	EP 1983-301027	19830225 <--
	EP 87957	B1	19861126		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	JP 58149903	A2	19830906	JP 1982-31555	19820227 <--
	JP 02044319	B4	19901003		
	JP 59139396	A2	19840810	JP 1983-15075	19830131 <--
	JP 01023480	B4	19890502		
	AT 23863	E	19861215	AT 1983-301027	19830225 <--
	CA 1214458	A1	19861125	CA 1983-422497	19830228 <--
PRAI	JP 1982-31555		19820227		
	JP 1983-15075		19830131		
	EP 1983-301027		19830225		

L2 ANSWER 16 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1982:572418 CAPLUS

DN 97:172418

TI Polymeric photographic color formers

IN Goellner, Thomas; Grossmann, Norbert; Fanghaenel, Egon; Boettcher, Horst

PA VEB Filmfabrik Wolfen, Fotochemisches Kombinat, Ger. Dem. Rep.

SO Ger. (East), 11 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	-----	-----	-----	-----	-----
PI	DD 150955	Z	19810923	DD 1980-221252	19800521 <--
PRAI	DD 1980-221252		19800521		

L2 ANSWER 17 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1982:94924 CAPLUS

DN 96:94924

TI Color photographic material with polymeric dye couplers

IN Goellner, Thomas; Grossmann, Norbert; Fanghaenel, Egon; Boettcher, Horst

PA VEB Filmfabrik Wolfen, Fotochemisches Kombinat, Ger. Dem. Rep.

SO Ger. (East), 9 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 147731	Z	19810415	DD 1979-217579	19791212 <--
PRAI DD 1979-217579		19791212		

L2 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1981:105974 CAPLUS
 DN 94:105974
 TI High-temperature stabilization of drilling fluids with a low-molecular-weight copolymer
 AU Chesser, Bill G.; Enright, Dorothy P.
 CS Milchem Inc., Houston, TX, USA
 SO JPT, Journal of Petroleum Technology (1980), 32(6), 950-6
 CODEN: JPTJAM; ISSN: 0149-2136
 DT Journal
 LA English

L2 ANSWER 19 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1979:415917 CAPLUS
 DN 91:15917
 TI Immobilization of proteinases from *Bacillus subtilis* on a styrene-maleic anhydride copolymer by covalent and coordination bonds
 AU Slobodyanikova, L. S.; Latov, V. K.; Belikov, V. M.
 CS Inst. Elem.-Org. Compd., Moscow, USSR
 SO Prikladnaya Biokhimiya i Mikrobiologiya (1979), 15(2), 262-8
 CODEN: PBMIAK; ISSN: 0555-1099
 DT Journal
 LA Russian

L2 ANSWER 20 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1978:609285 CAPLUS
 DN 89:209285
 TI Neocarzinostatin derivatives
 IN Maeda, Hiroshi; Kanamaru, Ryunosuke; Ishida, Nakao
 PA Japan
 SO Ger. Offen., 14 pp.
 CODEN: GWXXBX
 DT Patent
 LA German

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2813017	A1	19781005	DE 1978-2813017	19780323 <--
DE 2813017	C2	19880225		
JP 53117095	A2	19781013	JP 1977-32412	19770324 <--
JP 60017206	B4	19850501		
GB 1565794	A	19800423	GB 1978-10173	19780315 <--
FR 2384811	A1	19781020	FR 1978-8364	19780322 <--
FR 2384811	B1	19821119		
CH 628637	A	19820315	CH 1978-3245	19780323 <--
JP 60100522	A2	19850604	JP 1984-193677	19840914 <--
JP 60038378	B4	19850831		
PRAI JP 1977-32412		19770324		

L2 ANSWER 21 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1978:30370 CAPLUS
 DN 88:30370
 TI Electrophotographic liquid developers
 IN Kurodori, Tsuneo
 PA Ricoh Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 52090947	A2	19770730	JP 1976-6693	19760126 <--
JP 55002865	B4	19800122		

PRAI JP 1976-6693

19760126

L2 ANSWER 22 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1977:180705 CAPLUS

DN 86:180705

TI Undercoats for supports for electrophotographic materials

IN Suzuki, Yukio; Ikari, Kunihiro

PA Tokyo Shibaura Electric Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 52010138	A2	19770126	JP 1975-86377	19750715 <--
PRAI	JP 1975-86377		19750715		

L2 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1972:490432 CAPLUS

DN 77:90432

TI Builders for washing agents

IN Westernacher, Helmut

PA Chemische Werke Huels A.-G.

SO Ger. Offen., 19 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2056814	A	19720531	DE 1970-2056814	19701119 <--
	DE 2056814	B2	19730222		
	DE 2056814	C3	19730927		
	FR 2114446	A5	19720630	FR 1971-39576	19711104 <--
	US 3798180	A	19740319	US 1971-197491	19711110 <--
	CH 568379	A	19751031	CH 1971-16630	19711116 <--
	IT 944975	A	19730420	IT 1971-54134	19711117 <--
	BE 775517	A1	19720316	BE 1971-110657	19711118 <--
	NL 7115913	A	19720524	NL 1971-15913	19711118 <--
	AT 314053	B	19740325	AT 1971-9963	19711118 <--
	CA 949842	A1	19740625	CA 1971-127950	19711118 <--
	GB 1361641	A	19740730	GB 1971-53573	19711118 <--
	JP 50017207	B4	19750619	JP 1971-92008	19711118 <--
PRAI	DE 1970-2056814		19701119		

L2 ANSWER 24 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1969:526251 CAPLUS

DN 71:126251

TI Maleic interpolymers-starch-resin sizes

IN Graham, Paul R.; Ottinger, August F.

PA Monsanto Co.

SO U.S., 4 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3468823	A	19690923	US 1965-463891	19650614 <--
PRAI	US 1965-463891		19650614		

L2 ANSWER 25 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1969:58425 CAPLUS

DN 70:58425

TI Pure styrene-maleic anhydride and
styrene-maleic acid copolymers

IN Zdravil, Josef

SO Czech., 2 pp.

CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 126961		19680415	CS	19661212 <--

L2 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1968:489711 CAPLUS

DN 69:89711

TI Synthetic polymers for tablet coating. I. Styrene-maleic acid monoester copolymers and styrene-maleic acid-maleic acid monoester terpolymers for enteric coating

AU Moriguchi, Ikuo; Sano, Hajime

CS Res. Lab., Chugai Pharm. co., Ltd., Tokyo, Japan

SO Yakuzaigaku (1966), 26(4), 253-6

CODEN: YAKUA2; ISSN: 0372-7629

DT Journal

LA Japanese

L2 ANSWER 27 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1968:88252 CAPLUS

DN 68:88252

TI Structural influences in the deposition of polyelectrolyte films on metallic electrodes from aqueous solutions

AU Hilt, Albrecht; Handloser, Gretel; Funke, Werner

CS Univ. Stuttgart, Stuttgart, Fed. Rep. Ger.

SO Angewandte Makromolekulare Chemie (1967), 1(1), 174-98

CODEN: ANMCBO; ISSN: 0003-3146

DT Journal

LA German

L2 ANSWER 28 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1966:439349 CAPLUS

DN 65:39349

OREF 65:7383h,7384a

TI Chlorination of polyolefins and recovery of the chlorination solution

IN Schroeder, Christian

PA VEB Chemische Werk

SO 3 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1215371		19660428	DE	19630826 <--

L2 ANSWER 29 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1964:426238 CAPLUS

DN 61:26238

OREF 61:4589d-f

TI Photographic paper prepared from partially acylated cellulose fibers

IN Griggs, William H.; Gray, Alan H.; Zaffrann, Ralph D.

PA Eastman Kodak Co.

SO 4 pp.

DT Patent

LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3132944		19640512	US	19600418 <--

L2 ANSWER 30 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1963:476093 CAPLUS

DN 59:76093

OREF 59:14193h,14194a

TI Strength of paper prepared from partially acylated fibers

IN Griggs, William H.; Gray, Alan H.; Zaffrann, Ralph D.

PA Eastman Kodak Co.

SO 3 pp.

DT Patent

LA Unavailable
PATENT NO. KIND DATE APPLICATION NO. DATE
----- ----- -----
PI US 3103462 19630910 US 19600418 <--

L2 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1956:30741 CAPLUS
DN 50:30741
OREF 50:6145i,6146a-b
TI Interactions in polymer solutions observed by equilibrations across membranes
AU Udy, Doyle C.; Ferry, John D.
CS Univ. of Wisconsin, Madison
SO Journal of Physical Chemistry (1956), 60, 123
CODEN: JPCHAX; ISSN: 0022-3654
DT Journal
LA Unavailable

L2 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1950:16521 CAPLUS
DN 44:16521
OREF 44:3263h-i,3264a-b
TI Coating cellulosic textiles with maleic anhydride-styrene copolymer and solid polyethylene glycol
IN Seymour, Raymond B.; Schroder, Geo. M.
PA Henry H. Frede and Co.
DT Patent
LA Unavailable
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2486804 19491101 US <--

=> s polymer? (3w) (solution or composite or composition) (p) (metal (3w) particle?)
L3 65 POLYMER? (3W) (SOLUTION OR COMPOSITE OR COMPOSITION) (P) (METAL (3W) PARTICLE?)

=> s l3 and (shaking or stirring)
L4 0 L3 AND (SHAKING OR STIRRING)

=> s l3 and mixing
L5 4 L3 AND MIXING

=> d 1-4

L5 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2000:276981 BIOSIS
DN PREV200000276981
TI Dental compounds, compositions, products and methods.
AU Hammesfahr, Paul D. [Inventor, Reprint author]; Lu, Kewang [Inventor]; Silver, Paul A. [Inventor]
CS Wilmington, DE, USA
ASSIGNEE: Dentsply Research and Development Corp., Milford, DE, USA
PI US 5981620 November 09, 1999
SO Official Gazette of the United States Patent and Trademark Office Patents, (Nov. 9, 1999) Vol. 1228, No. 2. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 6 Jul 2000
Last Updated on STN: 7 Jan 2002

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:249887 CAPLUS
DN 122:39835
TI Preparation of ultrafine metal particles supported on alumina by pyrolysis of polymer complex/alumina composites
AU Tamai, Hisashi; Sakurai, Hiroyuki; Yamagiri, Takayuki; Nishiyama, Fumitaka; Sakai, Hiroshi; Yasuda, Hajime

CS Dep. Appl. Chem., Hiroshima Univ., Hiroshima, 724, Japan
SO Journal of Applied Polymer Science (1994), 54(12), 1795-801
CODEN: JAPNAB; ISSN: 0021-8995

PB Wiley
DT Journal
LA English

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:251636 CAPLUS

DN 120:251636

TI Fine particle-containing coloring agents and their manufacture

IN Murakami, Susumu; Sayo, Koichi; Noguchi, Tooru; Yamaguchi, Yoshio

PA Mitsubishi Belting Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06024796	A2	19940201	JP 1992-98887	19920324
	JP 2511767	B2	19960703		
PRAI	JP 1992-98887		19920324		

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1990:533572 CAPLUS

DN 113:133572

TI Antistatic chlorine-containing polymer compositions and antistatic agents

IN Oguma, Akio; Sugawara, Toshiaki; Komatsu, Yoshinobu; Igarashi, Kotaro

PA Mizusawa Industrial Chemicals, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02127453	A2	19900516	JP 1988-280463	19881108
	JP 2733266	B2	19980330		
PRAI	JP 1988-280463		19881108		

=> d 1-4 ti kwic

L5 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Dental compounds, compositions, products and methods.

AB The invention provides polymerizable dental, compounds, compositions, including the compounds and products for **mixing** the compositions and methods of using the compositions. Aryl acid compounds are provided in accordance with the invention. The compositions . . . acid compound, an effective amount of a polymerization initiator, and at least 10 percent by weight of ceramic, metal and/or **metal** oxide filler **particles** having a particle size less than 500 microns. The dental products of the invention include a **polymerizable composition** in an enclosure having at least two chambers separated by a wall adapted to be ruptured prior to or during **mixing** of the composition. Compositions of the invention are preferred for use in these enclosures. Core build up material including a . . .

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of ultrafine metal particles supported on alumina by pyrolysis of polymer complex/alumina composites

AB . . . Crystalline Pd supported on alumina was also obtained from Poly(AANA)-Pd(II)/alumina precursor. The size of metal particles formed increased with increasing **mixing** ratio of polymer complex with alumina.

ST ultrafine **metal particle** support alumina prepn;
catalyst ultrafine **metal particle** supported alumina;
pyrolysis **polymer** complex alumina **composite**

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fine particle-containing coloring agents and their manufacture
AB . . . a short time, consist of polymeric composites dispersed in glass
powders, where the composites are embedded with 1-80 weight% fine
metal particles having size $\leq 100 \mu\text{m}$. The
coloring agents are manufactured by: forming a thermodynamically-unstable
polymer layer by evaporation solidification or supercooling a fused crystalline
polymer, coating with a metal layer, heating to obtain a fine
metal-dispersed **polymer composite**, adding solvent to
the composite to form a fine particle-dispersed paste, and **mixing**
the paste with glass powders.

ST **metal particle** contg coloring agent; glass ware
coloring agent; ware ceramic coloring agent; **polymer** fine
metal particle composite

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
TI Antistatic chlorine-containing polymer compositions and antistatic agents
AB Water- and weather-resistant title compns. are prepared by **mixing**
a Cl-containing **polymer** with (a) a **composite** which is a
quaternary ammonium salt-perchlorate complex supported on alkali earth
metal silicates having average **particle** diameter ≤ 44
 μm and containing $\geq 80 \text{ mL}/100 \text{ g}$ oil, (b) a Pb-type stabilizer, and
(c) a plasticizer and/or lubricant. Thus, . . .

=> log Y